

HOUSE BILL 1537

C5

0lr1458
CF SB 1107

By: **Delegate Hecht**

Introduced and read first time: March 8, 2010

Assigned to: Rules and Executive Nominations

A BILL ENTITLED

1 AN ACT concerning

2 **Renewable Energy Portfolio Standard – Renewable Energy Credits – Solar**
3 **Water Heating Systems**

4 FOR the purpose of providing that energy from a certain solar water heating system is
5 eligible for inclusion in meeting the renewable energy portfolio standard;
6 providing that a person that owns and operates a certain solar water heating
7 system shall receive a certain renewable energy credit under certain
8 circumstances; requiring the total amount of energy generated and consumed by
9 a commercial solar water heating system to be measured by a certain meter;
10 requiring the total amount of energy generated and consumed by a residential
11 solar water heating system to be measured in a certain way; prohibiting a
12 residential solar water heating system from producing more than a certain
13 number of solar renewable energy credits in any one year; defining a certain
14 term; altering a certain definition; and generally relating to the eligibility of
15 solar water heating systems for inclusion in meeting the renewable energy
16 portfolio standard.

17 BY repealing and reenacting, without amendments,
18 Article – Public Utility Companies
19 Section 7–701(a)
20 Annotated Code of Maryland
21 (2008 Replacement Volume and 2009 Supplement)

22 BY adding to
23 Article – Public Utility Companies
24 Section 7–701(k–1) and 7–704(g)
25 Annotated Code of Maryland
26 (2008 Replacement Volume and 2009 Supplement)

27 BY repealing and reenacting, with amendments,
28 Article – Public Utility Companies

EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.



1 Section 7-701(l)
2 Annotated Code of Maryland
3 (2008 Replacement Volume and 2009 Supplement)

4 SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF
5 MARYLAND, That the Laws of Maryland read as follows:

6 **Article – Public Utility Companies**

7 7-701.

8 (a) In this subtitle the following words have the meanings indicated.

9 **(k-1) (1) “SOLAR WATER HEATING SYSTEM” MEANS A SYSTEM THAT**
10 **GENERATES ENERGY USING SOLAR RADIATION FOR THE PURPOSE OF HEATING**
11 **WATER.**

12 **(2) “SOLAR WATER HEATING SYSTEM” DOES NOT INCLUDE A**
13 **SYSTEM THAT GENERATES ENERGY USING SOLAR RADIATION FOR THE PRIMARY**
14 **PURPOSE OF HEATING A HOT TUB OR SWIMMING POOL.**

15 (l) “Tier 1 renewable source” means one or more of the following types of
16 energy sources:

17 (1) solar ENERGY, INCLUDING ENERGY FROM PHOTOVOLTAIC
18 TECHNOLOGIES AND SOLAR WATER HEATING SYSTEMS;

19 (2) wind;

20 (3) qualifying biomass;

21 (4) methane from the anaerobic decomposition of organic materials in
22 a landfill or wastewater treatment plant;

23 (5) geothermal;

24 (6) ocean, including energy from waves, tides, currents, and thermal
25 differences;

26 (7) a fuel cell that produces electricity from a Tier 1 renewable source
27 under item (3) or (4) of this subsection;

28 (8) a small hydroelectric power plant of less than 30 megawatts in
29 capacity that is licensed or exempt from licensing by the Federal Energy Regulatory
30 Commission; and

31 (9) poultry litter-to-energy.

1 7-704.

2 (G) (1) ENERGY FROM A SOLAR WATER HEATING SYSTEM IS ELIGIBLE
3 FOR INCLUSION IN MEETING THE RENEWABLE ENERGY PORTFOLIO STANDARD.

4 (2) A PERSON THAT OWNS AND OPERATES A SOLAR WATER
5 HEATING SYSTEM SHALL RECEIVE A RENEWABLE ENERGY CREDIT EQUAL TO
6 THE AMOUNT OF ENERGY, CONVERTED FROM BTUS TO KILOWATT HOURS, THAT
7 IS GENERATED BY THE SYSTEM THAT IS USED BY THE PERSON FOR WATER
8 HEATING.

9 (3) THE TOTAL AMOUNT OF ENERGY GENERATED AND CONSUMED
10 FOR A COMMERCIAL SOLAR WATER HEATING SYSTEM SHALL BE MEASURED BY A
11 METER THAT:

12 (I) MEETS THE REQUIRED STANDARDS OF THE
13 INTERNATIONAL ORGANIZATION OF LEGAL METROLOGY; AND

14 (II) IS CAPABLE OF PROVIDING ENERGY PRODUCTION DATA
15 ONLINE TO THE COMMISSION.

16 (4) THE TOTAL AMOUNT OF ENERGY GENERATED AND CONSUMED
17 BY A RESIDENTIAL SOLAR WATER HEATING SYSTEM SHALL BE MEASURED:

18 (I) 1. BY A METER THAT MEETS THE REQUIRED
19 STANDARDS OF THE INTERNATIONAL ORGANIZATION OF LEGAL METROLOGY;
20 AND

21 2. IS CAPABLE OF PROVIDING ENERGY PRODUCTION
22 DATA ONLINE TO THE COMMISSION; OR

23 (II) BY THE SOLAR RATINGS AND CERTIFICATION
24 CORPORATION'S OG-300 ANNUAL PRODUCTION ESTIMATE FOR THE SYSTEM.

25 (5) A RESIDENTIAL SOLAR WATER HEATING SYSTEM MAY NOT
26 PRODUCE MORE THAN FIVE SOLAR RENEWABLE ENERGY CREDITS IN ANY 1
27 YEAR.

28 SECTION 2. AND BE IT FURTHER ENACTED, That this Act shall take effect
29 October 1, 2010.